Genomic DNA Miniprep

* grow 5 ml cells over night at 30 °C
* spin, wash once with 1 ml H2O
* resuspend in 500 µl lysis buffer
* add acid washed glass beads to 1.25 ml
* vortex 2 min
* recover liquid phase with blue tip or
  punch whole into the bottom of the tube and centrifuge into another tube
* add 275 µl 7 M Ammonium acetate pH 7.0
* incubate 5 min at 65 °C, then 5 min on ice
* add 500 µl Chloroform, vortex, spin 2 min in microfuge
* take supernatant and precipitate with 1 ml Isopropanol
* incubate 5 min at RT, spin 5 min
* wash pellet with 70 % EtOH, dry and dissolve in 50 µl H2O

* for Southern: digest 5 µl DNA
* for PCR: use 0.5 to 1 µl DNA

Buffers:

lysis buffer:
100 mM Tris pH 8.0; 50 mM EDTA; 1 % SDS.
[for 50 ml: 5 ml 1 M Tris; 5 ml 0.5 M EDTA; 5 ml 10 % SDS]